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BARNES, CRYSTAL J				
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			2121	

DATE MAILED: 09/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/726,201

Applicant(s)

BERGMAN ET AL.

Examiner

Crystal J. Barnes

Art Unit

2121

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-81 is/are pending in the application.
- 4a) Of the above claim(s) 50-81 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-49 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1-81 are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____.

DETAILED ACTION

1. The following is a Non-Final Office Action in response to the Telephonic Response to the Election/Restriction Requirement received on 25 August 2005. Claims 1-81 are presented in this application. Claims 1-49 have been provisionally elected without traverse. Claims 50-81 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Election/Restrictions

2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
- I. Claims 1-49, drawn to a method of programming a multiple-day schedule on a controller and a programmable controller, are classified in class 700, subclass 16.
 - II. Claims 50-54 and 58, drawn to a method for changing two or more set point values of a schedule of a programmable controller, are classified in class 165, subclass 238.
 - III. Claims 55-57, drawn to a schedule for a programmable controller and a method for programming a schedule for a programmable controller, are classified in class 165, subclass 238.

IV. Claims 59-81, drawn to a method for displaying a schedule of a programmable controller, are classified in class 715, subclass 784.

The inventions are distinct, each from the other because of the following reasons:

3. Inventions I and II are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the multiple-day schedule does not require two or more current set point values.

The subcombination has separate utility such as changing two or more set point values of a schedule of a programmable controller.

4. Inventions I and III are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because

the multiple-day schedule does not require time slots with corresponding tags. The subcombination has separate utility such as programming a schedule of a programmable controller.

5. Inventions I and IV are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the programmable controller does not require a display to display a first and second portion of a schedule. The subcombination has separate utility such as displaying a schedule of a programmable controller on a small display screen.

6. Inventions II and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention II has separate utility such as changing two or more set point values of a schedule of a programmable controller. See MPEP § 806.05(d).

7. Inventions II and IV are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention IV has separate utility such as displaying a schedule of a programmable controller on a small display screen. See MPEP § 806.05(d).

8. Inventions III and IV are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention IV has separate utility such as displaying a schedule of a programmable controller on a small display screen. See MPEP § 806.05(d).

9. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

10. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Groups II, III, or IV, restriction for examination purposes as indicated is proper.

11. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

12. This application contains claims 59-81 directed to the following patentably distinct species of the claimed invention: panning or scrolling across the schedule (figure 12), displaying at least some of the schedule parameters on a display (figure 13), and displaying a line graph versus time (figures 14, 15).

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by

37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

13. During a telephone conversation with Brian N. Tufte, Reg. No. 38,638 on 25 August 2005, a provisional election was made without traverse to prosecute the invention of Group I, claims 1-49. Affirmation of this election must be made by applicant in replying to this Office action. Claims 50-81 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

14. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if

one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Information Disclosure Statement

15. The examiner has considered the information disclosure statements (IDS) submitted on 12 July 2004, 25 and 27 April and 19 July 2005.

Specification

16. The disclosure is objected to because of the following informalities:
"keypad 142" on page 23 line 12 is not shown in figure 7C. Appropriate correction is required.

Claim Rejections - 35 USC § 102

17. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

18. Claims 1-36 and 41-49 are rejected under 35 U.S.C. 102(e) as being anticipated by US Pub. No. 2005/0116055 A1 to Alles.

As per claim 1, the Alles reference discloses a method of programming a multiple-day schedule on a controller for a home, building and/or related grounds, wherein the controller is equipped with a user interface, the schedule having at least one schedule parameter, comprising the steps of: selecting two or more days (see page 16 [0166], "select the days") of the week (see page 16 [0167], "entire week") to modify the schedule (see page 16 [0167], "edit-mode"); changing the at least one schedule parameter (see page 16 [0172], "editing a temperature schedule") for one or more periods (see page 15 [0162], "periods") during the selected days ("select the days"); and saving the changes (see page 16 [0172], "SAVE selection 2040") to the at least one schedule parameter ("editing a temperature schedule") for the selected days ("select the days").

As per claim 2, the Alles reference discloses the step of selecting two or more days ("select the days") of the week ("entire week") to modify the schedule ("edit-mode") occurs prior to (see page 16 [0167], "7-Day display 2020") the step of changing the at least one schedule parameter ("editing a temperature schedule") for one or more periods ("periods") during the selected days ("select the days").

As per claim 3, the Alles reference discloses the step of selecting two or more days ("select the days") of the week ("entire week") to modify the schedule ("edit-mode") occurs after (see page 16 [0167], "7-Day display 2020") the step of changing the at least one schedule parameter ("editing a temperature schedule") for one or more periods ("periods") during the selected days ("select the days").

As per claim 4, the Alles reference discloses further comprising the step of initiating a schedule review mode (see page 16 [0167], "select-mode") within the controller (see page 15 [0162], "PDA interface") and displaying the current schedule parameters (see page 16 [0167], "all days that use the displayed temperature schedule are displayed as selected").

As per claim 5, the Alles reference discloses further comprising the steps of initializing a scheduling routine (see page 16 [0167], "edit-mode") within the controller (see page 15 [0162], "PDA interface") for modifying at least one

schedule parameter within the schedule (see page 16 [0167], "editing a temperature schedule"); and initiating an editing mode ("edit-mode") within the controller ("PDA interface").

As per claim 6, the Alles reference discloses said one or more periods ("periods") include a wake period (see page 15 [0162], "temperature schedule 2001 active 2005"), a leave period ("temperature schedule 2001 empty 2005"), a return period ("temperature schedule 2001 relaxing 2005"), and a sleep period ("temperature schedule 2001 sleeping 2005").

As per claim 7, the Alles reference discloses further comprising the step of canceling (see page 15 [0163], "Del selection 2007") one or more periods ("periods") in the schedule ("temperature schedule display").

As per claim 8, the Alles reference discloses said at least one schedule parameter ("editing a temperature schedule") is selected from the group consisting of an event time parameter (see page 15 [0164], "Enter time 2010"), a heat set point parameter (see page 17 [0181], "Heat 2116"), a cool set point parameter (see page 17 [0180], "Cool 2113"), a fan mode parameter (see page 18 [0182], "Air Circulation display 2117"), and a humidity level parameter.

As per claim 9, the Alles reference discloses further comprising the step of providing an indication (see page 16 [0173], "select-mode") that the modified schedule parameters ("7-day temperature schedule") have been saved ("save selection 2040").

As per claim 10, the Alles reference discloses the user interface (see page 15 [0161], "PDA display screen") comprises a touch screen ("touch-sensitive").

As per claim 11, the Alles reference discloses the user interface (see page 15 [0161], "PDA display screen") comprises a display panel ("display screen") and keypad (see page 18 [0184], "keyboard selection 2143, PDA keyboard 2150").

As per claim 12, the Alles reference discloses the user interface (see page 15 [0161], "PDA display screen") is a menu-driven interface ("PDA home menu").

As per claim 13, the Alles reference discloses said schedule ("temperature schedule") is a heating schedule (see page 17 [0181], "Heat 2116").

As per claim 14, the Alles reference discloses said schedule ("temperature schedule") is a cooling schedule (see page 17 [0180], "Cool 2113").

As per claim 15, the Alles reference discloses said schedule ("temperature schedule") is a venting schedule (see page 18 [0183], "Quiet as Possible display 2118").

As per claim 16, the Alles reference discloses said schedule ("temperature schedule") is a fan schedule (see page 18 [0182], "Air Circulation display 2117").

As per claim 17, the Alles reference discloses said controller (see page 15 [0162], "PDA interface") is an HVAC controller (see page 15 [0160], "PDA 80").

As per claim 18, the Alles reference discloses a method of programming a multiple-day schedule on a controller for a home, building and/or related grounds, wherein the controller is equipped with a menu-driven user interface, the schedule having at least one schedule parameter, comprising the steps of: initiating an editing mode (see page 16 [0167], "edit-mode") within the controller ("PDA interface"); selecting two or more days (see page 16 [0166], "select the days") of the week (see page 16 [0167], "entire week") to modify the schedule (see page 16 [0167], "edit-mode"); changing the at least one schedule parameter (see page 16 [0172], "editing a temperature schedule") for one or more periods (see page 15 [0162], "periods") during the selected days ("select the days"); and exiting the editing mode (see page 16 [0172], "SAVE selection 2040").

As per claim 19, the rejection of claim 2 is incorporated and further claim 19 contains limitations recited in claim 2; therefore claim 19 is rejected under the same rationale as claim 2.

As per claim 20, the rejection of claim 3 is incorporated and further claim 20 contains limitations recited in claim 3; therefore claim 20 is rejected under the same rationale as claim 3.

As per claim 21, the rejection of claim 4 is incorporated and further claim 21 contains limitations recited in claim 4; therefore claim 21 is rejected under the same rationale as claim 4.

As per claim 22, the Alles reference discloses the step of initiating a schedule review mode (see page 16 [0167], "select-mode") within the controller (see page 15 [0162], "PDA interface") and displaying the current schedule parameters (see page 16 [0167], "all days that use the displayed temperature schedule are displayed as selected") occurs prior to (see page 16 [0167], "7-Day display 2020") the step of initiating an editing mode ("edit-mode") within the controller ("PDA interface").

As per claim 23, the rejection of claim 6 is incorporated and further claim 23 contains limitations recited in claim 6; therefore claim 23 is rejected under the same rationale as claim 6.

As per claim 24, the rejection of claim 7 is incorporated and further claim 24 contains limitations recited in claim 7; therefore claim 24 is rejected under the same rationale as claim 7.

As per claim 25, the rejection of claim 8 is incorporated and further claim 25 contains limitations recited in claim 8; therefore claim 25 is rejected under the same rationale as claim 8.

As per claim 26, the rejection of claim 9 is incorporated and further claim 26 contains limitations recited in claim 9; therefore claim 26 is rejected under the same rationale as claim 9.

As per claim 27, the rejection of claim 10 is incorporated and further claim 27 contains limitations recited in claim 10; therefore claim 27 is rejected under the same rationale as claim 10.

As per claim 28, the rejection of claim 11 is incorporated and further claim 28 contains limitations recited in claim 11; therefore claim 28 is rejected under the same rationale as claim 11.

As per claim 29, the rejection of claim 13 is incorporated and further claim 29 contains limitations recited in claim 13; therefore claim 29 is rejected under the same rationale as claim 13.

As per claim 30, the rejection of claim 14 is incorporated and further claim 30 contains limitations recited in claim 14; therefore claim 30 is rejected under the same rationale as claim 14.

As per claim 31, the rejection of claim 15 is incorporated and further claim 31 contains limitations recited in claim 15; therefore claim 31 is rejected under the same rationale as claim 15.

As per claim 32, the rejection of claim 16 is incorporated and further claim 32 contains limitations recited in claim 16; therefore claim 32 is rejected under the same rationale as claim 16.

As per claim 33, the rejection of claim 17 is incorporated and further claim 33 contains limitations recited in claim 17; therefore claim 33 is rejected under the same rationale as claim 17.

As per claim 34, the Alles reference discloses a programmable controller for use in controlling at least one system of a home, building and/or related grounds, the controller comprising: a user interface (see page 15 [0162], "PDA interface"); a memory unit (see page 12 [0136], "flash memory 1504") for storing a set of schedule parameters ("house-specific data, temperature schedules, records of the temperatures and HVAC activity"); and a processor (see page 12 [0136], "control

processor 60, main processor 1500") configured to run a scheduling routine ("program"), said scheduling routine ("program") including an editing mode (see page 16 [0167], "edit-mode") for programming a schedule ("temperature schedules") in the memory unit ("flash memory 1504"); wherein the editing mode ("edit-mode") allows the user to concurrently select two or more days (see page 16 [0166], "select the days") of the week (see page 16 [0167], "entire week") to modify the schedule ("temperature schedules"), and then edit ("edit-mode") the schedule parameters (see page 15 [0162], "specific time 2004, comfort climate 2005, temperature range 2008") for the selected days ("select the days") via the user interface ("PDA interface").

As per claim 35, the Alles reference discloses the editing mode ("edit-mode") allows the user to select said two or more days ("select the days") using a single screen (see page 15 [0162], "primary display screen 2000") on the user interface ("PDA interface").

As per claim 36, the Alles reference discloses said system is an HVAC system (see Abstract, "HVAC system").

As per claim 41, the rejection of claim 10 is incorporated and further claim 41 contains limitations recited in claim 10; therefore claim 41 is rejected under the same rationale as claim 10.

As per claim 42, the rejection of claim 11 is incorporated and further claim 42 contains limitations recited in claim 11; therefore claim 42 is rejected under the same rationale as claim 11.

As per claim 43, the rejection of claim 12 is incorporated and further claim 43 contains limitations recited in claim 12; therefore claim 43 is rejected under the same rationale as claim 12.

As per claim 44, the rejection of claim 4 is incorporated and further claim 44 contains limitations recited in claim 4; therefore claim 44 is rejected under the same rationale as claim 4.

As per claim 45, the Alles reference discloses the schedule review mode (see page 16 [0167], "select-mode") is separate from the editing mode ("edit-mode").

As per claim 46, the Alles reference discloses the schedule (see page 15 [0162], "temperature schedule 2001") includes one or more periods ("eight periods").

As per claim 47, the rejection of claim 6 is incorporated and further claim 47 contains limitations recited in claim 6; therefore claim 47 is rejected under the same rationale as claim 6.

As per claim 48, the rejection of claim 7 is incorporated and further claim 48 contains limitations recited in claim 7; therefore claim 48 is rejected under the same rationale as claim 7.

As per claim 49, the Alles reference discloses a programmable controller for use in controlling at least one system of a home, building and/or related grounds, the controller comprising: a user interface (see page 15 [0162], "PDA interface"); a memory unit (see page 12 [0136], "flash memory 1504") for storing a set of schedule parameters ("house-specific data, temperature schedules, records of the temperatures and HVAC activity"); and a processor (see page 12 [0136], "control processor 60, main processor 1500") configured to run a scheduling routine ("program"), said scheduling routine ("program") including an editing mode (see page 16 [0167], "edit-mode") for programming a schedule ("temperature schedules") in the memory unit ("flash memory 1504"); wherein the editing mode ("edit-mode") allows the user to concurrently select one or more periods (see page 15 [0162], "periods") of the schedule ("temperature schedules") for two or more selected

days (see page 16 [0166], "select the days") of the week (see page 16 [0167], "entire week"), and then edit ("edit-mode") the schedule parameters (see page 15 [0162], "specific time 2004, comfort climate 2005, temperature range 2008") for the selected periods ("periods") and days ("select the days") via the user interface ("PDA interface").

Claim Rejections - 35 USC § 103

19. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

20. Claims 37-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Pub. No. 2005/0116055 A1 to Alles in view of US Pub. No. 2005/0108091 A1 to Sotak et al.

As per claim 37, the Alles reference does not disclose said system is a security system.

As per claim 38, the Alles reference does not disclose said system is a lighting system.

As per claim 39, the Alles reference does not disclose said system is a sprinkler or drip water system.

As per claim 40, the Alles reference does not disclose said system is an A/V system.

The Sotak et al. reference discloses

(see page 1 [0002], "Home automation systems have traditionally involved individual systems that provided control over limited aspects of a residential environment. For example, in conventional home automation separate systems may be provided for lighting control, residential monitoring and/or security, HVAC control, video distribution, audio distribution, telephony, networking and/or smart appliances.")

(see page 1 [0004], "... a lighting system may be programmed to control the state of lights within a residence based on a programmed time, day of the week and/or date. Similar systems are also available to control HVAC operation.")

(see page 4 [0046], "... a family going on vacation may result in changes in the operation of several components of a home automation system, including, for

example, adjusting the HVAC system, setting the alarm system, powering down home theater and/or audio systems, changing a lighting schedule or the like.")

(see page 4 [0050], "Examples of controlled devices 22 may include light control modules, appliance control modules, HVAC controllers, audio visual equipment, security systems and/or other home automation components. Examples of input/output devices 24 may include personal computers, laptop computers, pervasive computing devices, such as personal digital assistants, smartphones, or the like, keypads, touchscreen displays or other display devices, including, for example, televisions and/or other devices capable of displaying information to and/or receiving information from a resident of the residence 10.")

(see page 8 [0081], "A Landscape Information System (LIS) module may control the schedule of maintenance and/or irrigation systems.")

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to modify the intuitive, graphical application running on the PDA taught by the Alles reference to interface with the home management system taught by the Sotak et al. reference.

One of ordinary skill in the art would have been motivated to modify the intuitive, graphical application running on the PDA to interface with the home

management system to specify various activity schedules, in addition to temperature schedules, to control at least one home management component of the home management system based on the activity schedules of the residents.

Conclusion

21. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following references are cited to further show the state of the art with respect to home automation control in general:

USPN 6,851,621 B1 to Wacker et al.

USPN 6,687,678 B1 to Yorimatsu wt al.

USPN 6,323,882 B1 to Jerome et al.

USPN 5,461,558 to Patsiokas et al.

USPN 5,412,377 to Evans et al.

USPN 4,783,800 to Levine

US Pub. No. 2004/0215778 A to Hesse et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Crystal J. Barnes whose telephone number is 571.272.3679. The examiner can normally be reached on Monday-Friday alternate Mondays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached on 571.272.3687. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


CJB

30 August 2005